

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/DK 03/00921

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C12N15/10 C12P1/00 C12Q1/68 C07K1/04 C07B61/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C12N C12P C12Q C07K C07B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

WPI Data, PAJ, CAB Data, BIOSIS, EPO-Internal, EMBASE

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P, A	WO 02/103008 A (GOUILAEV ALEX HAAHR ; NOERREGAARD-MADSEN MADSEN (DK); SLOEK FRANK ABI) 27 December 2002 (2002-12-27) the whole document ---	
A	WO 02/074929 A (KANAN MATTEW W; GARTNER ZEV J ; LIU DAVID R (US); HARVARD COLLEGE ( ) 26 September 2002 (2002-09-26) cited in the application the whole document ---	
A	WO 00/61775 A (SERGEEV PAVEL) 19 October 2000 (2000-10-19) the whole document ---	
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

\* Special categories of cited documents :

\*A\* document defining the general state of the art which is not considered to be of particular relevance

\*E\* earlier document but published on or after the international filing date

\*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

\*O\* document referring to an oral disclosure, use, exhibition or other means

\*P\* document published prior to the international filing date but later than the priority date claimed

\*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

\*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

\*Z\* document member of the same patent family

Date of the actual completion of the international search

2 June 2004

Date of mailing of the international search report

22/06/2004

Name and mailing address of the ISA

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>WO 93/03172 A (UNIV RESEARCH CORP) 18 February 1993 (1993-02-18) cited in the application the whole document</p> <p>----</p>	
A	<p>WO 98/56904 A (RIGEL PHARMACEUTICALS INC) 17 December 1998 (1998-12-17) the whole document</p> <p>----</p>	
A	<p>WO 00/23458 A (UNIV LELAND STANFORD JUNIOR) 27 April 2000 (2000-04-27) the whole document</p> <p>----</p>	
A	<p>SUMMERER D ET AL: "DNA-TEMPLATED SYNTHESIS: MORE VERSATILE THAN EXPECTED" ANGEWANDTE CHEMIE. INTERNATIONAL EDITION, VERLAG CHEMIE. WEINHEIM, DE, vol. 41, no. 1, 4 January 2002 (2002-01-04), pages 89-90, XP001170352 ISSN: 0570-0833 the whole document</p> <p>----</p>	
A	<p>Z.J. GARTNER ET AL.: "Expanding the reaction scope of DNA-templated synthesis" ANGEWANDTE CHEMIE INT. ED. ENGL., vol. 41, no. 10, October 2002 (2002-10), pages 1796-1800, XP001170373 WILEY-VCH, WEINHEIM, FRG the whole document</p> <p>----</p>	
A	<p>TAMURA KOJI ET AL: "Oligonucleotide-directed peptide synthesis in a ribosome- and ribozyme-free system" PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES, vol. 98, no. 4, 13 February 2001 (2001-02-13), pages 1393-1397, XP002282853 February 13, 2001 ISSN: 0027-8424 the whole document</p> <p>----</p>	
A	<p>LIU, DAVID R. ET AL: "Directing otherwise incompatible reactions in a single solution by using DNA-templated organic synthesis" ANGEWANDTE CHEMIE-INTERNATIONAL EDITION, (NOV 2002) VOL. 41, NO. 21, PP. 4104-4108. PUBLISHER: WILEY-V C H VERLAG GMBH, PO BOX 10 11 61, D-69451 WEINHEIM, GERMANY. , XP002282854 the whole document</p> <p>----</p>	
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## INTERNATIONAL SEARCH REPORT

ational Application No  
PCT/DK 03/00921

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	ZHAN Z-Y J ET AL: "Chemical amplification through template-directed synthesis" JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, AMERICAN CHEMICAL SOCIETY, WASHINGTON, DC, US, vol. 119, no. 50, December 1997 (1997-12), pages 12420-12421, XP002961119 ISSN: 0002-7863 the whole document ----	
A	CALDERONE C T: "DIRECTING OTHERWISE INCOMPATIBLE REACTIONS IN A SINGLE SOLUTION BY USING DNA-TEMPLATED ORGANIC SYNTHESIS" ANGEWANDTE CHEMIE. INTERNATIONAL EDITION, VERLAG CHEMIE. WEINHEIM, DE, vol. 41, no. 21, 4 November 2002 (2002-11-04), pages 4104-4108, XP001133476 ISSN: 0570-0833 the whole document -----	

# INTERNATIONAL SEARCH REPORT

Information on patent family members

In ternational Application No

PCT/DK 03/00921

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 02103008	A	27-12-2002	CA 2451524 A1	27-12-2002
			WO 02103008 A2	27-12-2002
			WO 02102820 A1	27-12-2002
			EP 1402024 A2	31-03-2004
			EP 1401850 A1	31-03-2004
			US 2003143561 A1	31-07-2003
			US 2004049008 A1	11-03-2004
			WO 03078625 A2	25-09-2003
			WO 03078445 A2	25-09-2003
			WO 03078626 A2	25-09-2003
			WO 03078050 A2	25-09-2003
			WO 03078446 A2	25-09-2003
			WO 03078627 A2	25-09-2003
WO 02074929	A	26-09-2002	US 2003113738 A1	19-06-2003
			CA 2441820 A1	26-09-2002
			EP 1423400 A2	02-06-2004
			WO 02074929 A2	26-09-2002
WO 0061775	A	19-10-2000	WO 0061775 A1	19-10-2000
			AU 2951599 A	14-11-2000
			CA 2403209 A1	19-10-2000
			EP 1208219 A1	29-05-2002
			US 2003104389 A1	05-06-2003
WO 9303172	A	18-02-1993	AU 2313392 A	02-03-1993
			WO 9303172 A1	18-02-1993
			US 6194550 B1	27-02-2001
			US 2002038000 A1	28-03-2002
			US 5843701 A	01-12-1998
WO 9856904	A	17-12-1998	US 2002064798 A1	30-05-2002
			AU 7830298 A	30-12-1998
			WO 9856904 A1	17-12-1998
			US 2001036638 A1	01-11-2001
WO 0023458	A	27-04-2000	AU 1318400 A	08-05-2000
			CA 2346989 A1	27-04-2000
			EP 1123305 A1	16-08-2001
			WO 0023458 A1	27-04-2000